

ABSTRACT OF THE DISCLOSURE

An improved user data protocol involves a multi-addressing capability that allows a user at a source node to address a single message to many users at respective destination nodes within a communication network. The multi-address messages that are provided to the network are inserted once at the source node, and messages routed between network nodes going to the same next node travel once across each interconnecting communication channel, thereby minimizing the communication bandwidth consumed.

1. A multi-addressing communication system, comprising:
a. a source node;
b. a destination node;
c. a communication channel;
d. a multi-addressing communication protocol;
e. a multi-addressing communication network;
f. a multi-addressing communication device;
g. a multi-addressing communication interface;
h. a multi-addressing communication control;
i. a multi-addressing communication management;
j. a multi-addressing communication monitoring;
k. a multi-addressing communication logging;
l. a multi-addressing communication reporting;
m. a multi-addressing communication analysis;
n. a multi-addressing communication synthesis;
o. a multi-addressing communication optimization;
p. a multi-addressing communication evaluation;
q. a multi-addressing communication validation;
r. a multi-addressing communication verification;
s. a multi-addressing communication testing;
t. a multi-addressing communication deployment;
u. a multi-addressing communication maintenance;
v. a multi-addressing communication support;
w. a multi-addressing communication training;
x. a multi-addressing communication documentation;
y. a multi-addressing communication communication;
z. a multi-addressing communication communication.